

PHYSIOLOGICAL ARRANGEMENT
OF THE
CRANIAL NERVES

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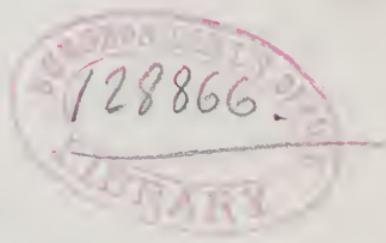
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Rives, Edward comp.



PHYSIOLOGICAL ARRANGEMENT OF CRANIAL NERVES.

NERVES OF SPECIAL SENS.		ORIGIN.	EXIT.	DISTRIBUTION.
OLFACTORY	1st	<i>External or Long Root</i> —Corpus Striatum—Optic Thalamus—Anterior Commissure—Island Reil <i>Middle or Gray Root</i> —Caruncula Mammillaris of Anterior Lobe <i>Internal or Short Root</i> —Inner and Back Part of Anterior Lobe	Cribriform plate of Ethmoid bone	Nasal Mucous Membrane.
OPTIC	2nd	Corpora Quadrigemina	Optic foramen	Forms the Retina by Expansion.
AUDITORY	7th	Liniæ Transversæ in Floor of 4th Ventricle	Meatus Auditorius internus	Forms the nervous expansion in the Cochlea, Vestibule & Semicircular Canals.
MOTOR NERVES.				
MOTOR OCULI COMMUNIS	3rd	Crus Cerebri (Locus Niger)	Sphenoidal fissure	Levator Palpebræ Superioris, & all muscles of Eye ball except Sup. Oblique & External Rectus.
PATHETICUS	4th	Valve of Vieussens (upper part)	Sphenoidal fissure	Superior Oblique muscle of Eye.
MOTOR OCULI EXTERNUS	6th	Floor of 4th Ventricle (from a gray nucleus)	Sphenoidal fissure	External Rectus muscle of Eye.
SMALL ROOT OF 5th PAIR	5th	Anterior Pyramids (upper part)	Foramen Ovale	Temporal, Masseter, Digastric, Internal & External Pterygoid muscles.
FACIAL	7th	Lateral tract of Medulla Oblongata between Olivary & Restiform bodies	Meatus Auditorius Internus	Muscles of Face, External Ear, Buccinator, Stapedius & Laxator Tympani muscles.
HYPOGLOSSAL	9th	Groove between Pyramidal and Olivary bodies by 10 or 15 filaments	Anterior Condylloid foramen	Muscles of Tongue.
SPINAL ACCESSORY	8th	Lateral tract of Cord as low down as the 6th Cervical Vertebra	Jugular foramen	Sterno Cleido Mastoid, & Trapezius muscles & sends branches to the Cervical [plexus.
SENSITIVE NERVES.				
LARGE ROOT OF 5th PAIR	5th	Lateral tract Medulla behind the Olivary body	Ophthalmic—Sphenoidal fissure Sup. Maxillary—Foramen Rotundum	Eyeball—Lachrymal gland—Mucous lining of eye & nose—Integument & muscles of eyebrow & forehead. Side of nose—Lower eyelid—Upper lip—Teeth & gums of upper jaw—Integument of temple & side of forehead.
GLOSSE-PHARYNGEAL	8th	Nucleus of Gray matter at lower part of floor of 4th Ventricle	Inf. Maxillary—Foramen Ovale	Teeth & gums of lower jaw—Integument & muscles of external ear—Lower part of face & upper lip—Tongue and muscles of mastication.
PNEUMOGASTRIC	8th	Lateral tract of Medulla behind Olivary body	Jugular foramen	Tongue and Pharynx.
			Jugular foramen	Larynx—Pharynx—Oesophagus—Lungs—Stomach—Heart.

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